



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2009  
Code: 12361637  
SAU: MSAD 42  
School: Central Aroostook Jr-Sr H S

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores .....	2
Summary of Student Participation .....	3
English Language Arts – Reading Results .....	4-6
Mathematics Results .....	7-9
Science Results .....	10-12

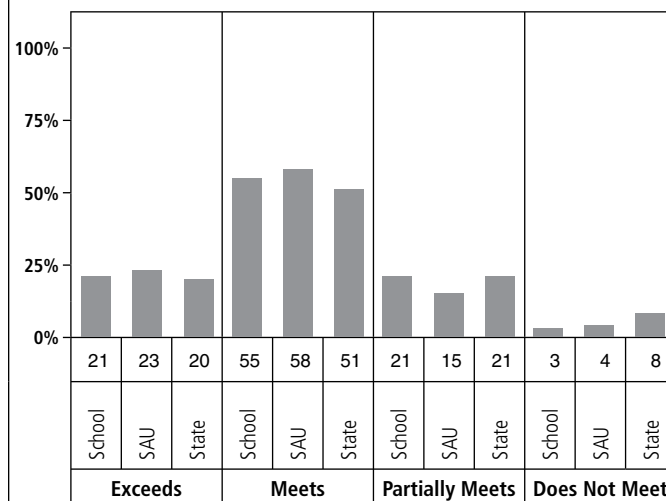
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 8  
SAU: MSAD 42  
School: Central Aroostook Jr-Sr H S

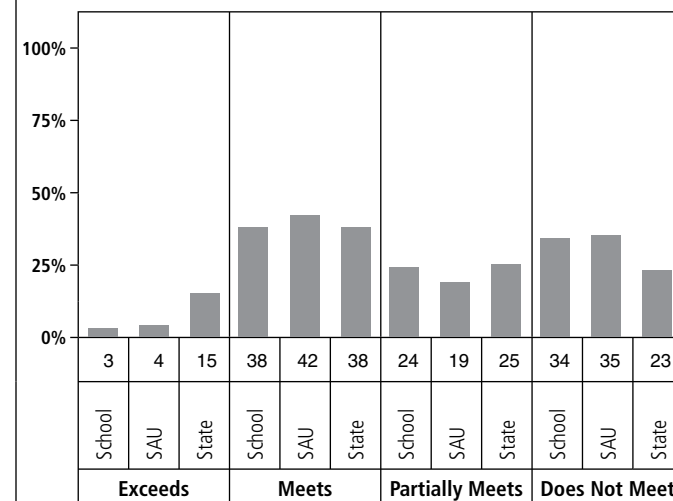
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	846	846	847
2007–2008	854	853	849
<b>2008–2009</b>	<b>851</b>	<b>851</b>	<b>850</b>
Cum. Avg.*	851	850	849
<b>Mathematics</b>			
2006–2007	830	829	842
2007–2008	839	839	841
<b>2008–2009</b>	<b>836</b>	<b>837</b>	<b>843</b>
Cum. Avg.*	835	836	842
<b>Science</b>			
<b>2008–2009 **</b>	<b>835</b>	<b>834</b>	<b>846</b>

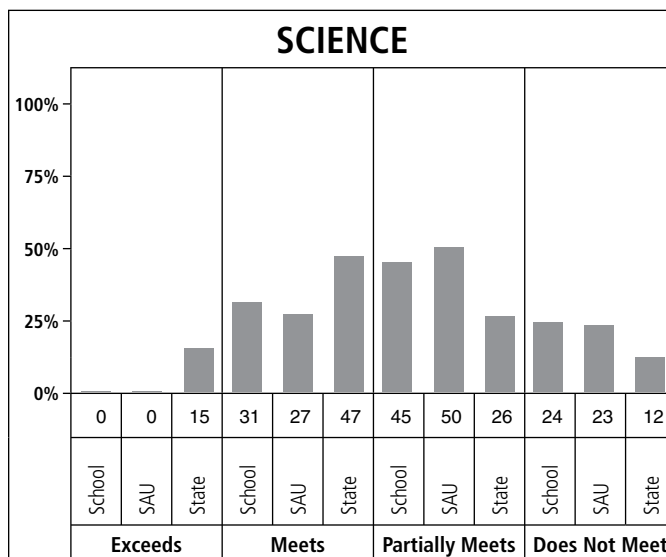
### ELA – READING



### MATHEMATICS



### SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\* Because science standards were reset in May 2009, no historical data are available

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 8  
SAU: MSAD 42  
School: Central Aroostook Jr-Sr H S

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Total number of students</b>	31	100	27	100	14804	100	30	100	27	100	14659	99	30	100	27	100	14653	99	30	100	27	100	14626	99
<b>Ethnicity</b> African American/Black	0	0	0	0	377	3	0	0	0	0	366	97	0	0	0	0	371	98	0	0	0	0	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	0	0	0	0	238	2	0	0	0	0	232	97	0	0	0	0	234	98	0	0	0	0	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	31	100	27	100	13878	94	30	100	27	100	13756	99	30	100	27	100	13742	99	30	100	27	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	7	23	5	19	2489	17	6	100	5	100	2434	99	6	100	5	100	2424	98	6	100	5	100	2418	98
<b>Current LEP</b>	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
<b>Economically disadvantaged</b>	14	45	13	48	5460	37	14	100	13	100	5380	99	14	100	13	100	5377	99	14	100	13	100	5359	98
<b>Migrant</b>	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Participation without accommodations</b>	24	77	22	81	12132	82	24	77	22	81	12124	82	24	77	22	81	12169	82
Identified disability (PET/IEP)	0	0	0	0	379	3	0	0	0	0	380	3	0	0	0	0	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	0	0	0	0	200	2	0	0	0	0	200	2	0	0	0	0	202	2
<b>Participation with accommodations</b>	5	16	4	15	2349	16	5	16	4	15	2347	16	5	16	4	15	2288	15
Identified disability (PET/IEP)	5	100	4	100	1877	80	5	100	4	100	1862	79	5	100	4	100	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
<b>Participation through alternate assessment (PAAP)</b>	1	3	1	4	178	1	1	3	1	4	182	1	1	3	1	4	169	1
Identified disability (PET/IEP)	1	100	1	100	178	100	1	100	1	100	182	100	1	100	1	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	1	3	0	0	32	0	1	3	0	0	34	0	1	3	0	0	38	0
<b>Non-participation – other</b>	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 42  
School: Central Aroostook Jr-Sr H S

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	3	11	2	10	2407	16
	2007-2008	9	26	6	21	3428	23
	<b>2008-2009</b>	<b>6</b>	<b>21</b>	<b>6</b>	<b>23</b>	<b>2857</b>	<b>20</b>
	Cum. Total*	18	20	14	18	8692	19
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	14	52	11	52	7494	49
	2007-2008	22	63	19	66	7179	48
	<b>2008-2009</b>	<b>16</b>	<b>55</b>	<b>15</b>	<b>58</b>	<b>7431</b>	<b>51</b>
	Cum. Total*	52	57	45	59	22104	49
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	6	22	5	24	3628	24
	2007-2008	2	6	2	7	2706	18
	<b>2008-2009</b>	<b>6</b>	<b>21</b>	<b>4</b>	<b>15</b>	<b>2979</b>	<b>21</b>
	Cum. Total*	14	15	11	14	9313	21
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	4	15	3	14	1810	12
	2007-2008	2	6	2	7	1611	11
	<b>2008-2009</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>1214</b>	<b>8</b>
	Cum. Total*	7	8	6	8	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	36.0	64.3	36.5	65.2	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	12.9	64.5	13.1	65.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	23.0	63.9	23.3	64.7	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.



# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: MSAD 42  
 School: Central Aroostook Jr-Sr H S

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	29	6	21	16	55	6	21	1	3	851	26	23	58	15	4	851	14481	20	51	21	8	850
<b>Ethnicity</b>																						
African American/Black	0										0						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	0										0						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	29	6	21	16	55	6	21	1	3	851	26	23	58	15	4	851	13586	20	52	20	8	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	5	0	0	1	20	4	80	0	0	836	4						2256	2	25	40	34	834
No	24	6	25	15	63	2	8	1	4	854	22	27	64	5	5	854	12225	23	56	17	4	853
<b>Current LEP</b>																						
Yes	0										0						324	5	34	36	26	838
No	29	6	21	16	55	6	21	1	3	851	26	23	58	15	4	851	14157	20	52	20	8	850
<b>Economically disadvantaged</b>																						
Yes	14	2	14	8	57	3	21	1	7	847	13	15	62	15	8	848	5277	10	46	29	15	844
No	15	4	27	8	53	3	20	0	0	853	13	31	54	15	0	854	9204	26	54	16	5	853
<b>Migrant</b>																						
Yes	0										0						5	0	40	60	0	841
No	29	6	21	16	55	6	21	1	3	851	26	23	58	15	4	851	14476	20	51	21	8	850
<b>Gender</b>																						
Female	16	4	25	8	50	4	25	0	0	852	15	27	53	20	0	852	7074	25	51	18	6	852
Male	13	2	15	8	62	2	15	1	8	849	11	18	64	9	9	850	7407	14	51	23	11	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	9	43	35	14	843
No	29	6	21	16	55	6	21	1	3	851	26	23	58	15	4	851	13624	20	52	20	8	850
<b>Gifted/talented program</b>																						
Yes	0										0						700	69	30	1	0	867
No	29	6	21	16	55	6	21	1	3	851	26	23	58	15	4	851	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 42  
School: Central Aroostook Jr-Sr H S

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	14	1	25	2	50	1	25	0	0	851	15	25	50	25	0	851	8	8	39	29	24	841
B. less than one hour	66	5	26	11	58	3	16	0	0	853	65	29	65	6	0	855	51	17	53	22	8	849
C. one to two hours	17	0	0	3	60	1	20	1	20	843	15	0	50	25	25	840	36	24	52	18	5	852
D. more than two hours	3	0	0	0	0	1	100	0	0	830	4	0	0	100	0	830	5	29	45	18	9	852
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	38	3	27	7	64	0	0	1	9	856	38	30	60	0	10	856	31	35	50	11	4	856
B. good	45	3	23	5	38	5	38	0	0	848	42	27	45	27	0	849	47	16	55	21	7	849
C. fair	10	0	0	3	100	0	0	0	0	849	12	0	100	0	0	849	18	5	47	33	15	842
D. poor	7	0	0	1	50	1	50	0	0	841	8	0	50	50	0	841	3	2	39	37	22	839
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	45	4	31	7	54	2	15	0	0	854	46	33	58	8	0	855	32	27	54	14	5	853
B. They match some of what I have learned.	41	2	17	8	67	2	17	0	0	851	42	18	64	18	0	850	52	18	53	22	8	850
C. They match just a little of what I have learned.	14	0	0	1	25	2	50	1	25	838	12	0	33	33	33	839	12	11	45	29	15	844
D. There is no match.	0										0						4	6	34	33	26	838
<b>How difficult was the reading part of this test?</b>																						
A. more difficult than my regular schoolwork	22	1	17	2	33	2	33	1	17	842	20	20	40	20	20	844	15	13	42	28	17	844
B. about the same as my regular schoolwork	59	3	19	10	63	3	19	0	0	851	60	20	67	13	0	852	64	19	53	20	7	850
C. easier than my regular schoolwork	19	2	40	2	40	1	20	0	0	857	20	40	40	20	0	857	22	25	52	16	6	852
<b>How difficult were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I normally read.	21	1	17	3	50	1	17	1	17	848	23	17	50	17	17	848	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	59	4	24	9	53	4	24	0	0	852	54	29	57	14	0	854	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	21	1	17	4	67	1	17	0	0	848	23	17	67	17	0	848	40	30	53	13	4	855
<b>How hard did you try on the reading part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	76	5	23	12	55	4	18	1	5	851	77	25	55	15	5	852	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	14	0	0	2	50	2	50	0	0	840	12	0	67	33	0	841	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	10	1	33	2	67	0	0	0	0	859	12	33	67	0	0	859	7	12	46	27	15	845
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	31	2	22	5	56	2	22	0	0	851	35	22	56	22	0	851	19	26	53	15	6	853
B. 20 minutes to an hour	28	3	38	4	50	0	0	1	13	854	27	43	43	0	14	854	40	25	52	17	6	852
C. less than 20 minutes	10	1	33	1	33	1	33	0	0	851	12	33	33	33	0	851	15	18	51	21	10	849
D. I rarely read at home.	31	0	0	6	67	3	33	0	0	847	27	0	86	14	0	849	26	7	50	30	13	844
<b>How do you feel about the following statement?</b>																						
<b>"My knowledge of reading will be useful to me as an adult."</b>																						
A. strongly agree	45	4	31	7	54	1	8	1	8	855	46	33	50	8	8	855	42	27	51	15	6	853
B. agree	45	2	15	6	46	5	38	0	0	845	42	18	55	27	0	847	50	15	53	23	9	848
C. disagree	7	0	0	2	100	0	0	0	0	854	8	0	100	0	0	854	7	8	46	32	14	843
D. strongly disagree	3	0	0	1	100	0	0	0	0	852	4	0	100	0	0	852	2	6	39	35	21	840
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	80	0	0	3	75	0	0	1	25	845	80	0	75	0	25	845						
C.	0										0											
D.	20	0	0	1	100	0	0	0	0	858	20	0	100	0	0	858						

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 42  
School: Central Aroostook Jr-Sr H S

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	0	0	0	0	1952	13
	2007-2008	0	0	0	0	1657	11
	<b>2008-2009</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>2116</b>	<b>15</b>
	Cum. Total*	1	1	1	1	5725	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	7	26	5	24	5870	38
	2007-2008	16	46	14	48	5956	40
	<b>2008-2009</b>	<b>11</b>	<b>38</b>	<b>11</b>	<b>42</b>	<b>5443</b>	<b>38</b>
	Cum. Total*	34	37	30	39	17269	39
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	12	44	9	43	3982	26
	2007-2008	12	34	10	34	3729	25
	<b>2008-2009</b>	<b>7</b>	<b>24</b>	<b>5</b>	<b>19</b>	<b>3556</b>	<b>25</b>
	Cum. Total*	31	34	24	32	11267	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	8	30	7	33	3534	23
	2007-2008	7	20	5	17	3579	24
	<b>2008-2009</b>	<b>10</b>	<b>34</b>	<b>9</b>	<b>35</b>	<b>3356</b>	<b>23</b>
	Cum. Total*	25	27	21	28	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>56</b>	<b>100</b>	24.8	44.3	25.4	45.4	28.6	51.1
<b>A. Number</b>	<b>8</b>	<b>14</b>	3.7	46.3	3.8	47.5	3.7	46.3
<b>B. Data</b>	<b>16</b>	<b>29</b>	7.7	48.1	7.9	49.4	8.9	55.6
<b>C. Geometry</b>	<b>12</b>	<b>21</b>	4.7	39.2	4.8	40.0	5.0	41.7
<b>D. Algebra</b>	<b>20</b>	<b>36</b>	8.7	43.5	9.0	45.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: MSAD 42  
 School: Central Aroostook Jr-Sr H S

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	29	1	3	11	38	7	24	10	34	836	26	4	42	19	35	837	14471	15	38	25	23	843
<b>Ethnicity</b>																						
African American/Black	0										0						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	0										0						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	29	1	3	11	38	7	24	10	34	836	26	4	42	19	35	837	13567	15	38	25	22	843
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	5	0	0	0	0	0	0	5	100	816	4						2242	2	12	22	63	824
No	24	1	4	11	46	7	29	5	21	841	22	5	50	23	23	842	12229	17	42	25	16	846
<b>Current LEP</b>																						
Yes	0										0						336	6	18	26	51	829
No	29	1	3	11	38	7	24	10	34	836	26	4	42	19	35	837	14135	15	38	25	23	843
<b>Economically disadvantaged</b>																						
Yes	14	0	0	6	43	2	14	6	43	836	13	0	46	15	38	837	5270	6	30	28	36	835
No	15	1	7	5	33	5	33	4	27	837	13	8	38	23	31	838	9201	20	42	22	16	847
<b>Migrant</b>																						
Yes	0										0						5	0	0	40	60	828
No	29	1	3	11	38	7	24	10	34	836	26	4	42	19	35	837	14466	15	38	25	23	843
<b>Gender</b>																						
Female	16	1	6	5	31	2	13	8	50	834	15	7	33	7	53	834	7070	15	39	25	22	843
Male	13	0	0	6	46	5	38	2	15	840	11	0	55	36	9	841	7401	14	36	25	25	842
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	5	25	33	37	835
No	29	1	3	11	38	7	24	10	34	836	26	4	42	19	35	837	13614	15	38	24	22	843
<b>Gifted/talented program</b>																						
Yes	0										0						700	68	27	3	1	866
No	29	1	3	11	38	7	24	10	34	836	26	4	42	19	35	837	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 42  
School: Central Aroostook Jr-Sr H S

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	14	0	0	2	50	1	25	1	25	842	15	0	50	25	25	842	8	8	24	24	44	833
B. less than one hour	66	1	5	8	42	4	21	6	32	839	65	6	47	18	29	841	51	12	38	26	23	842
C. one to two hours	17	0	0	1	20	2	40	2	40	827	15	0	25	25	50	825	36	19	40	23	19	845
D. more than two hours	3	0	0	0	0	0	0	1	100	810	4	0	0	0	100	810	5	19	36	22	23	844
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	24	1	14	4	57	1	14	1	14	848	27	14	57	14	14	848	28	33	41	15	11	852
B. good	38	0	0	4	36	2	18	5	45	830	38	0	40	20	40	831	45	11	43	25	21	842
C. fair	31	0	0	3	33	3	33	3	33	837	27	0	43	14	43	839	21	3	27	35	35	834
D. poor	7	0	0	0	0	1	50	1	50	828	8	0	0	50	50	828	5	2	14	30	54	828
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	21	0	0	3	50	2	33	1	17	845	19	0	60	20	20	847	28	23	41	21	15	848
B. They match some of what I have learned.	62	1	6	7	39	3	17	7	39	835	65	6	41	18	35	835	52	13	40	25	21	843
C. They match just a little of what I have learned.	7	0	0	1	50	1	50	0	0	845	8	0	50	50	0	845	16	8	28	30	34	836
D. There is no match.	10	0	0	0	0	1	33	2	67	825	8	0	0	0	100	822	4	5	15	22	58	826
<b>How difficult was the mathematics part of this test?</b>																						
A. more difficult than my regular schoolwork	43	1	8	3	25	3	25	5	42	835	44	9	27	18	45	835	32	6	34	29	32	837
B. about the same as my regular schoolwork	46	0	0	7	54	3	23	3	23	840	44	0	64	18	18	842	52	13	41	25	20	843
C. easier than my regular schoolwork	11	0	0	0	0	1	33	2	67	822	12	0	0	33	67	822	16	39	35	13	13	853
<b>How hard did you try on the mathematics part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	62	1	6	8	44	5	28	4	22	840	65	6	47	24	24	840	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	34	0	0	3	30	2	20	5	50	832	31	0	38	13	50	833	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	3	0	0	0	0	0	0	1	100	818	4	0	0	0	100	818	7	12	27	27	35	837
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	10	0	0	2	67	0	0	1	33	839	12	0	67	0	33	839	34	18	40	22	20	845
B. two or three days a week	38	1	9	5	45	2	18	3	27	840	35	11	56	11	22	842	35	14	38	26	21	843
C. two or three times each month	28	0	0	3	38	2	25	3	38	838	31	0	38	25	38	838	18	12	37	27	24	841
D. never or almost never	24	0	0	1	14	3	43	3	43	829	23	0	17	33	50	829	13	9	32	25	34	837
<b>How often do you use laptops in mathematics class?</b>																						
A. almost every day	48	1	7	5	36	4	29	4	29	840	42	9	45	18	27	843	9	13	38	23	26	841
B. two or three days a week	41	0	0	6	50	3	25	3	25	836	46	0	50	25	25	836	17	11	37	26	26	841
C. two or three times each month	7	0	0	0	0	0	0	2	100	819	8	0	0	0	100	819	28	15	40	25	20	844
D. never or almost never	3	0	0	0	0	0	0	1	100	824	4	0	0	0	100	824	46	16	36	24	23	843
<b>How do you feel about the following statement?</b> "My knowledge of mathematics will be useful to me as an adult."																						
A. strongly agree	45	1	8	6	46	3	23	3	23	842	50	8	46	23	23	842	52	19	41	22	18	846
B. agree	45	0	0	4	31	3	23	6	46	832	38	0	40	10	50	833	39	11	35	27	27	840
C. disagree	7	0	0	1	50	1	50	0	0	840	8	0	50	50	0	840	6	7	28	26	39	835
D. strongly disagree	3	0	0	0	0	0	0	1	100	810	4	0	0	0	100	810	3	4	25	28	43	832
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	80	0	0	0	0	3	75	1	25	830	80	0	0	75	25	830						
C.	0										0											
D.	20	0	0	0	0	0	0	1	100	818	20	0	0	0	100	818						

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 42  
School: Central Aroostook Jr-Sr H S

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	0	0	0	0	2155	15
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	9	31	7	27	6687	47
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	13	45	13	50	3672	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	7	24	6	23	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	56	100	24.8	44.3	24.3	43.4	32.0	57.1
<b>D. The Physical Setting</b>	31	55	12.3	39.7	12.2	39.4	17.1	55.2
<b>D1/D2 Earth/Space</b>	17	30	6.9	40.6	6.8	40.0	9.4	55.3
<b>D3/D4 Matter and Energy/Force and Motion</b>	14	25	5.4	38.6	5.3	37.9	7.7	55.0
<b>E. The Living Environment</b>	25	45	12.4	49.6	12.2	48.8	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: MSAD 42  
 School: Central Aroostook Jr-Sr H S

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	29	0	0	9	31	13	45	7	24	835	26	0	27	50	23	834	14263	15	47	26	12	846
<b>Ethnicity</b>																						
African American/Black	0										0						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	0										0						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	29	0	0	9	31	13	45	7	24	835	26	0	27	50	23	834	13375	15	47	25	12	846
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	5	0	0	1	20	2	40	2	40	830	4						2221	3	22	36	38	832
No	24	0	0	8	33	11	46	5	21	836	22	0	32	50	18	836	12042	17	51	24	7	848
<b>Current LEP</b>																						
Yes	0										0						331	4	20	39	37	832
No	29	0	0	9	31	13	45	7	24	835	26	0	27	50	23	834	13932	15	48	25	12	846
<b>Economically disadvantaged</b>																						
Yes	14	0	0	4	29	7	50	3	21	835	13	0	23	54	23	834	5184	6	40	33	21	840
No	15	0	0	5	33	6	40	4	27	835	13	0	31	46	23	834	9079	20	51	21	8	849
<b>Migrant</b>																						
Yes	0										0						5	0	0	80	20	829
No	29	0	0	9	31	13	45	7	24	835	26	0	27	50	23	834	14258	15	47	26	12	846
<b>Gender</b>																						
Female	16	0	0	4	25	7	44	5	31	832	15	0	27	47	27	833	6953	14	47	28	11	846
Male	13	0	0	5	38	6	46	2	15	838	11	0	27	55	18	837	7310	16	46	24	13	846
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						828	5	35	40	20	839
No	29	0	0	9	31	13	45	7	24	835	26	0	27	50	23	834	13435	16	48	25	12	846
<b>Gifted/talented program</b>																						
Yes	0										0						699	65	34	2	0	865
No	29	0	0	9	31	13	45	7	24	835	26	0	27	50	23	834	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 42  
School: Central Aroostook Jr-Sr H S

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	14	0	0	1	25	2	50	1	25	833	15	0	25	50	25	833	8	8	34	28	30	837
B. less than one hour	66	0	0	6	32	10	53	3	16	836	65	0	29	59	12	836	51	14	48	27	11	846
C. one to two hours	17	0	0	2	40	1	20	2	40	834	15	0	25	25	50	831	36	19	48	24	9	848
D. more than two hours	3	0	0	0	0	0	0	1	100	824	4	0	0	0	100	824	5	17	49	20	14	847
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	24	0	0	3	43	3	43	1	14	838	23	0	33	50	17	837	23	27	47	17	8	851
B. good	52	0	0	6	40	4	27	5	33	835	50	0	38	31	31	835	53	15	50	26	10	847
C. fair	21	0	0	0	0	5	83	1	17	830	23	0	0	83	17	830	20	4	43	35	18	840
D. poor	3	0	0	0	0	1	100	0	0	832	4	0	0	100	0	832	4	4	27	34	35	834
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	21	0	0	1	17	3	50	2	33	829	19	0	0	60	40	826	26	20	49	23	9	849
B. They match some of what I have learned.	17	0	0	2	40	3	60	0	0	840	19	0	40	60	0	840	51	14	48	26	11	846
C. They match just a little of what I have learned.	38	0	0	5	45	3	27	3	27	838	38	0	40	30	30	837	18	13	44	28	15	844
D. There is no match.	24	0	0	1	14	4	57	2	29	831	23	0	17	67	17	832	4	5	33	30	32	836
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	58	0	0	5	33	7	47	3	20	835	61	0	36	50	14	836	32	13	45	28	14	844
B. about the same as my regular schoolwork	42	0	0	3	27	5	45	3	27	834	39	0	11	56	33	832	56	15	49	25	11	847
C. easier than my regular schoolwork	0										0						11	21	43	22	13	847
<b>How hard did you try on the science part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	64	0	0	7	39	9	50	2	11	838	68	0	35	53	12	838	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	21	0	0	2	33	2	33	2	33	834	20	0	20	40	40	832	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	14	0	0	0	0	1	25	3	75	821	12	0	0	33	67	819	6	8	36	29	26	839
<b>Which courses do you plan to take before you graduate from high school?</b>																						
A. earth and space science and/or biology	17	0	0	0	0	2	40	3	60	824	19	0	0	40	60	824	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	28	0	0	3	38	4	50	1	13	835	23	0	17	67	17	832	23	17	49	22	12	847
C. the course(s) described in B, plus physics	21	0	0	3	50	3	50	0	0	842	23	0	50	50	0	842	21	31	44	17	7	852
D. a life science and physical science class	34	0	0	3	30	4	40	3	30	836	35	0	33	44	22	837	30	7	46	32	14	842
<b>How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."</b>																						
A. strongly agree	21	0	0	2	33	4	67	0	0	839	20	0	20	80	0	837	27	23	47	20	10	849
B. agree	46	0	0	5	38	6	46	2	15	838	48	0	33	50	17	837	37	14	47	27	12	846
C. disagree	25	0	0	1	14	3	43	3	43	829	28	0	14	43	43	829	25	11	48	29	12	845
D. strongly disagree	7	0	0	0	0	0	0	2	100	819	4	0	0	0	100	812	11	9	44	31	17	842
<b>How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."</b>																						
A. strongly agree	25	0	0	3	43	3	43	1	14	840	24	0	33	50	17	839	31	22	46	22	10	849
B. agree	54	0	0	5	33	6	40	4	27	835	56	0	29	43	29	834	50	14	49	26	11	846
C. disagree	11	0	0	0	0	3	100	0	0	831	12	0	0	100	0	831	14	9	45	31	15	843
D. strongly disagree	11	0	0	0	0	1	33	2	67	824	8	0	0	50	50	823	5	3	38	34	25	837
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	80	0	0	1	25	1	25	2	50	829	80	0	25	25	50	829						
C.	0										0											
D.	20	0	0	0	0	1	100	0	0	832	20	0	0	100	0	832						

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number